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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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1449A/PTO U.S. Department of Commerce Patent and Trademark Office				Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	09/869,026
				Filing Date	JANUARY 11, 2002
				First Named Inventor	RIOT ET AL
				Group Art Unit	44/456/000 6047
				Examiner Name	LAMACCHIO NICHOLS
				Attorney Docket Number	A3400 US PCT
1	of	7			

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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1449A/PTO		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY E APPLICANT (use as many sheets as necessary)				Application Number	09/868,036
				Filing Date	JANUARY 11, 2002
				First Named Inventor	ROBERT ET AL
				Group Art Unit	144 AGG 1647
				Examiner Name	WILLIAM A. NICHOLS
Sheet	2	of	7	Attorney Docket Number	A3400 USPT

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source.	T 2
CS	AL	Adrien, J. et al., Biochemical and Electrophysiological evidence for an agonist action of CM57493 at pre- and post-synaptic 5-HT1A receptors in Brain, J. Pharmacol. Exp. Ther. 248:1222-1230 (1989)	
CS	AD	Aloisi, F. et al., Astrocyte Cultures from Human Embryonic Brain: Characterization and modulation of Surface Molecules by Inflammatory Cytokines, J. Neurosci. Res. 32:494-506 (1992)	
CS	AE	Aubert, I. et al., Regeneration in the Adult Mammalian CNS: Guided by Development., Curr. Opin. Neurobiol. 5:625-635 (1995)	
CS	AF	Bilang-Bleuel et al., Intrastriatal Injection of an Adenoviral Vector Expressing GDNF Prevents Dopaminergic Neuron Degeneration and Behavioral Impairment in a Rat Model of Parkinson's Disease, Proc. Natl. Acad. Sci. USA 94:8818-8823 (1997)	
CS	AG	Castillo Jr. et al., Reginal Ganglion Cell survival is Promoted by Genetically Modified Astrocytes designed to Secrete Brain-Derived Neurotrophic Factor (BDNF), Brain Res. 647:30-37 (1994)	
CS	AH	Corti et al., Intracerebral Tetracycline-dependent Regulation of Gene Expression in Grafts of Neural Precursors., NeuroReport 7:1655-1659 (1996)	
CS	AI	Cunningham et al., The Use of Genetically Altered Astrocytes to Provide Nerve Growth Factor (NGF) to Adrenal Chromaffin Cell Grafted into the Striatum., Brain Res. 561:192-202 (1991)	
CS	AJ	Cunningham et al., Nerve Growth Factor Released by Transgenic Astrocytes enhanced the Function of Adrenal Chromaffin Cell Grafts in a Rat Model of Parkinson's Disease, Brain Res. 568:219-223 (1994)	

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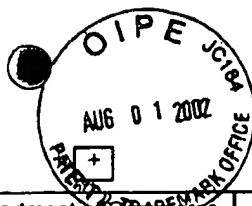
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1449A/PTO		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
AUG 02 2002		LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)		Application Number	09/868,036
				Filing Date	JAN 11, 2002
				First Named Inventor	ROBERT E. AL
				Group Art Unit	1647
				Examiner Name	NICHOLS
Sheet 3 of 7				Attorney Docket Number	A3400 VS PCT

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source.	T2
CS	AK	Fisher et al., Grafting in the Mammalian Central Nervous System, Physiol. Rev. 73:583-616 (1993)	
CS	AL	Fisher, L.J., Neural Precursor Cells: Applications for the Study and Repair of the Central Nervous System., Neurobiol. Dis. 4:1-22 (1997)	
CS	Am	Fisher et al., Survival and Function of Intrastrially grafted Fibroblasts Genetically modified to Produce L-DOPA., Neuron 6:371-380 (1996)	
CS	AN	Fritschy et al., Brain Cell Type Specificity and Gliosis-Induced Activation of the Human Cytomegalovirus Immediate-Early Promoter in Transgenic Mice., J. Neurosci. 16:2275-82 (1996)	
CS	AO	Gage et al., Isolation, Characterization and Use of Stem Cells from the CNS., Ann. Rev. Neurosci. 18:159-192 (1995)	
CS	AP	Goodman et al., Adenoviral-mediated Thymidine Kinase Gene Transfer into the Primate Brain followed by Systemic Ganciclovir: Pathologic, Radiologic and Molecular Studies., Human Gene Ther. 7:1241-1250 (1996)	
CS	AQ	Gossen et al., Tight Control of Gene Expression in Mammalian Cells by Tetacycline-responsive Promoters, Proc. Natl. Acad. Sci. USA 89:5547-5551 (1992)	
CS	AR	Gossen et al., Transcriptional Activation by Tetracyclines in Mammalian Cells, Science 268:1766-1769 (1995)	

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1449A/PTO		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)		Application Number		09/868, 026	
		Filing Date		JANUARY 11, 2002	
		First Named Inventor		DIRECT G.A.	
		Group Art Unit		1617	
		Examiner Name		MARKUS NICHOLS	
Sheet	4	of	7	Attorney Docket Number	A3400 US PCT

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CS	AS	Horellou et al., In vivo Release of DOPA and Dopamine from Genetically Engineered Cells Grafted to the Denervated Striatum., Neuron 5:393-402 (1990a)	
CS	AT	Horellou et al., Behavioral Effect of Engineered Cells that synthesize L-DOPA or Dopamine after Grafting into the Rat Neostriatum, Eur. J. Neurosci. 2:116-119 (1990b)	
CS	AN	Horellou et al., Direct Intracerebral Gene Transfer of an Adenoviral Vector Expressing Tyrosine Hydroxylase in a Rat Model of Parkinson's Disease, NeuroReport 6:49-53 (1994)	
CS	AV	Juorio et al., Decarboxylation of L-DOPA by Cultured Astrocytes., Brain Res. 626:49-53 (1993)	
CS	AW	Kistner et al., Doxycycline-mediated Quantitative and Tissue-specific Control of Gene Expression in Transgenic Mice., Proc. Natl. Acad. Sci. USA 93:10933-10938 (1996)	
CS	AX	Kojima et al., Adenovirus-mediated Transduction with Human Glial Cell Line-derived Neurotrophic Factor Gene Prevents 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Dopamine Depletion in Striatum of Mouse Brain, Biochem. Biophys. Res. Commun. 238:569-573 (1997)	
CS	AV	La Gamma et al., Genetically Modified Primary Astrocytes as Cellular Vehicles for Gene Therapy in the Brain., Cell Transplant. 2:207-214 (1993)	
CS	AZ	Levallois et al., An Adenovirus Vector Encoding Tyrosine Hydroxylase Activity may Enter Human Primary Dissociated Cultures., Int. J. Dev. Neurosci. 14:613-619 (1996)	

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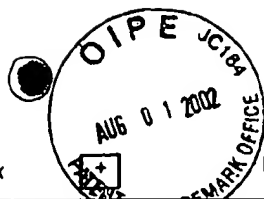
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		First Named Inventor		ROBERT G. A.	
		Group Art Unit		1647	
		Examiner Name		NICHOLS	
Sheet	5	of	7	Attorney Docket Number	A3400 JS RCT

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CS	BA	Lin et al., Human Fetal Astrocytes in an Ex Vivo Gene Therapy Vehicle for Delivering Biologically Active Nerve Growth Factor, Hum. Gene Ther. 8:331-339 (1997)	
CS	BB	Lundberg et al., Generation of DOPA-producing Astrocytes by Retroviral Transduction of the Human Tyrosinase Hydroxylase Gene: In vivo Characterization and In vivo Effects in the Rat Parkinson Model, Exp. Neurol. 139:39-53 (1996)	
CS	BC	Maron et al., Differential Toxicity of Ganciclovir for Rat Neurons and Astrocytes in Primary Culture following Adenovirus-Mediated Transfer of the HSVtk Gene, Gene Ther. 4:25-31 (1997)	
CS	BD	Martinez-Serrano et al., Immortalized Neural Progenitor Cells for CNS Gene Transfer and Repair, Trends Neurosci. 20: 530-538 (1997)	
CS	BE	Miller et al., Progress in Transcriptionally Targeted and Regulatable Vectors for Gene Therapy, Hum. Gene Ther. 8:803-815 (1997)	
CS	BF	Olanow et al., Fetal Nigral Transplantation as a Therapy for Parkinson's Disease, Trends Neurosci. 19:102-109 (1996)	
CS	BG	Perzelova et al., Appearance of GFAP-Positive Cells in Adult Human Brain Cultures Spontaneously Decelerated in Growth, Glia 7:237-244 (1993)	
CS	BH	Pundt et al., The Fate of Human Glial Cells Following Transplantation in Normal Rodents and Rodent Models of Neurodegenerative Disease, Brain Res. 695:25-36 (1995)	

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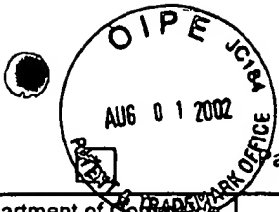
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<div style="text-align: center;"> LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)</div>		Application Number		01/868, 026	
		Filing Date		JANUARY 11, 2002	
		First Named Inventor		RIDET ET AL	
		Group Art Unit		1201/ASSISTANT PMT	
		Examiner Name		V. A. S. NICHOLS	
Sheet	6	of	7	Attorney Docket Number A3400 US PCT	

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CS	BI	Reinhard et al., A Rapid and Sensitive Assay for Tyrosine-3-Monooxygenase Based Upon the Release of 3H2O and Adsorption of [3H]-Tyrosine by Charcoal, Life Sci. 39:2185-2189 (1986)	
CS	BT	Ridet et al., Reactive Astrocytes: Cellular and Molecular Cues to Biological Function., Trends Neuosci. 20:570-577 (1997)	
CS	BK	Ridoux et al., The use of Adenovirus Vectors for Intracerebral Grafting of Transfecting Nervous Cells, NeuroReport 5:801-804 (1994)	
CS	BL	Sabate et al., Transplantation to the Rat Brain of Human Neuroal Progenitors that were Genetically Modified using Adenovirus., Nature Genet. 9:256-260 (1995)	
CS	BA	Saez et al., Inducible Gene Expression in Mammalian Cells and Transgenic Mice, Curr. Opin. Biotechnol. 8:608-616 (1997)	
CS	BN	Shockett et al., A Modified tetracycline-Regulated System Provides Autoregulatory, Inducible Gene Expression in Cultured Cells and Transgenic Mice., Proc. Natl. acad. Sci. USA 92:6522-6526 (1995)	
CS	BO	Stachowiak et al., Growth Factor Regulation of Cell Groth and Proliferation in the Nervous System, Mol. Neurobiol. 15:257-283 (1997)	
CS	BP	Streit, W.J., An Improved Staining Method for Rat Microglial Cells Using the Lectin from Griffonia Simplicifolia (GSA I-B4), J. Histochem. Cytochem. 38:1683-1686 (1990)	

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CS	BQ	Taylor, R., Cell Vehicles for Gene Transfer to the Brain, Neuromuscul. Dis. 7:343-351 (1997)	
CS	BA	Wolff et al., Grafting Fibroblasts Genetically Modified to Produce L-DOPA in a Rat Model of Parkinson's Disease, Proc. Natl. Acad. Sci. USA 86:9011-9014 (1989)	
CS	BS	Yong et al., Gamma-interferon Promoters Proliferation of Adult Human Astrocytes In Vitro and Reactive Gliosis in the Adult Mouse Brain In Vivo., Proc. Natl. acad. Sci. USA 88:7016-7020 (1991)	
CS	BT	Yoshimoto et al., Astrocytes Retrovirally Transduced with BDNF Elicit Behavioral Improvement in a Rat Model of Parkinson's Disease, Brain Res. 691:25-36 (1995)	
CS	Bu	De Groot et al., Establishment of Human Adult Astrocyte Cultures Derived from Postmortem Multiple sclerosis and Control Brain and Spinal Cord Regions, J. Neurosci. Res. 49(3):342-354 (1997)	
CS	BV	Ridet et al., Toward Autologous Ex Vivo Gene Therapy for the Central Nervous system with Human Adult Astrocytes, Human Gene Therapy 10(2):271-280 (1999)	
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